

**SYMPOSIUM ON**

**Research Spotlight in Modeling and Simulation  
of Physical and Biological Systems, Depending on  
Space, Time, Retardation and Anticipation (Part I.)**

Organized and Chaired

by

Prof. Dr Ir Daniel M. DUBOIS

**Anticipation in the psychological time axis of emotion processes**

By Prof. Dr. Isabel Barahona da Fonseca, University of Lisbon, Portugal

**Perspectives and ethics of the autonomous artificial thinking systems**

by Prof. Dr. Joël Colloc, Normandie Université, France

**Strong anticipation in systems with retardation based on differential difference equations to design anticipative neural circuits in brain**

by Prof. Dr. Daniel M. Dubois, Centre for Hyperincursion and Anticipation in Ordered Systems, CHAOS ASBL, University of Liège, Belgium

**LUNCH: 12:00-14:00**

**Cancer and structure**

by Bohdan Hejna, University of Chemistry and Technology, Prague, Czech Republic

**Innovative modelling approach of life support technologies for human space exploration missions**

by Dr Stéphane Grès, Université de Technologie de Compiègne, France

**Organic mathematics: Tarski-Lesniewski propositional functions for relations of inanimate and animate natural kinds.**

by Prof. Jerry\_LR\_Chandler, PhD, Research Professor, George Mason University, USA

**Multi-spectral and multidimensional wireless power transfer systems**

by Nagi F. Ali Mohamed<sup>1</sup>, Johnson I. Agbinya<sup>2</sup>, Khalid Aboura<sup>3</sup>,  
<sup>1</sup>La Trobe University, Australia, <sup>2</sup>Melbourne Institute of Technology, Australia,  
<sup>3</sup>University of Dammam, Saudi Arabia.

**The adaptive method for linking of non-text documents to semantic web clusters**

by Profs. Drs. Alexander A. Sytnik, Sergey V. Papshev, Saratov State Technical University, Russia